

FILE 'HOME' ENTERED AT 10:32:29 ON 23 DEC 2005

=> file registry

FILE 'REGISTRY' ENTERED AT 10:32:45 ON 23 DEC 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 DEC 2005 HIGHEST RN 870600-23-0

DICTIONARY FILE UPDATES: 22 DEC 2005 HIGHEST RN 870600-23-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

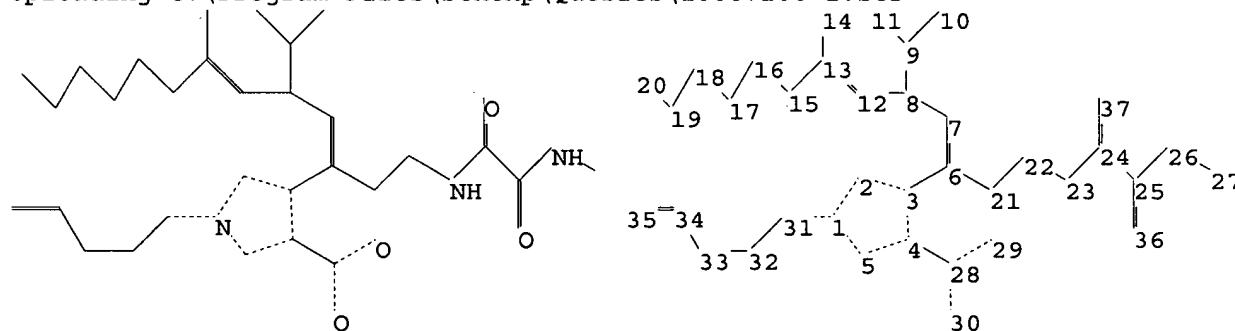
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10667200-1.str



```

chain nodes :
6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35 36 37
ring nodes :
1  2  3  4  5
chain bonds :
1-31  3-6  4-28  6-7  6-21  7-8  8-9  8-12  9-10  9-11 12-13 13-14 13-15 15-16
16-17 17-18 18-19 19-20 21-22 22-23 23-24 24-25 24-37 25-26 25-36 26-27
28-29 28-30
31-32 32-33 33-34 34-35
ring bonds :
1-2  1-5  2-3  3-4  4-5
exact/norm bonds :
1-2  1-5  1-31  2-3  3-4  4-5 22-23 23-24 24-37 25-26 25-36 26-27 28-29
28-30

exact bonds :
3-6  4-28  6-7  6-21  7-8  8-9  8-12  9-10  9-11 12-13 13-14 13-15 15-16 16-17
17-18 18-19 19-20 21-22 24-25 31-32 32-33 33-34 34-35

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS
29:CLASS 30:CLASS
31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS

```

L1 STRUCTURE UPLOADED

```

=> s l1
SAMPLE SEARCH INITIATED 10:33:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -           0 TO ITERATE

```

```

100.0% PROCESSED           0 ITERATIONS                   0 ANSWERS
SEARCH TIME: 00.00.01

```

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                          BATCH  **COMPLETE**
PROJECTED ITERATIONS:           0 TO           0
PROJECTED ANSWERS:           0 TO           0

```

L2 0 SEA SSS SAM L1

```

=> s l1 full
FULL SEARCH INITIATED 10:33:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -           2 TO ITERATE

```

```

100.0% PROCESSED           2 ITERATIONS                   1 ANSWERS
SEARCH TIME: 00.00.01

```

L3 1 SEA SSS FUL L1

```

=> d l3 ide

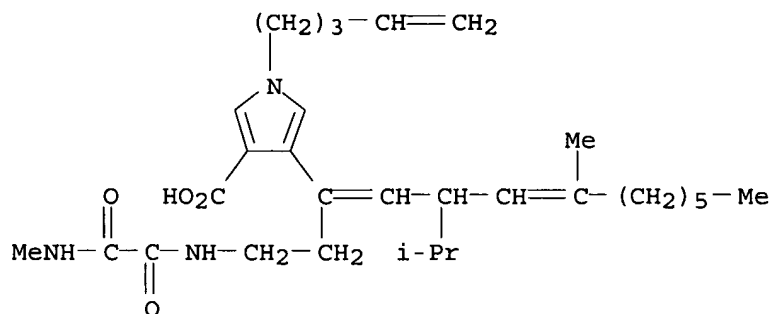
```

```

L3   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   674787-41-8  REGISTRY
ED   Entered STN:  13 Apr 2004
CN   1H-Pyrrole-3-carboxylic acid, 4-[5-methyl-1-[2-
      [[ (methylamino)oxoacetyl]amino]ethyl]-3-(1-methylethyl)-1,4-undecadienyl]-

```

1-(4-pentenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C30 H47 N3 O4
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

=>

Executing the logoff script...

=> LOG H

FILE & COST CENTER	QUANTITY @	RATE	ESTIMATED COST U.S. DOLLARS
REGISTRY FILE COST=			
CONNECT HOURS	0.04 @	37.00	1.48
INTERNET HOURS	0.04 @	6.00	0.24
DISPLAYS IN FORMAT IDE	1 @	1.84	1.84
ONL FUL SSS/CSS SEARCH TERMS	1 @	84.60	84.60
ONL FUL SSS/CSS SEARCHES	1 @	76.30	76.30

SUMMARY BY FILE	AND	COST CENTER	HOURS	ESTIMATED COST U.S. DOLLARS
HOME FILE		(NONE)	0.01	0.21
REGISTRY FILE		(NONE)	0.04	164.46

COSTS INCLUDE TELECOMMUNICATION FEES	0.05	0.30
--------------------------------------	------	------

SUMMARY BY	COST CENTER	HOURS	ESTIMATED COST U.S. DOLLARS
	(NONE)	0.05	164.67
YOUR TOTAL SESSION COSTS ARE		0.05	164.67

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 10:35:09 ON 23 DEC 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTASXS1654

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 10:56:08 ON 23 DEC 2005
FILE 'REGISTRY' ENTERED AT 10:56:08 ON 23 DEC 2005
COPYRIGHT (C) 2005 American Chemical Society (ACS)

=> d his

(FILE 'HOME' ENTERED AT 10:32:29 ON 23 DEC 2005)

FILE 'REGISTRY' ENTERED AT 10:32:45 ON 23 DEC 2005

L1 STRUCTURE UPLOADED

L2 0 S L1

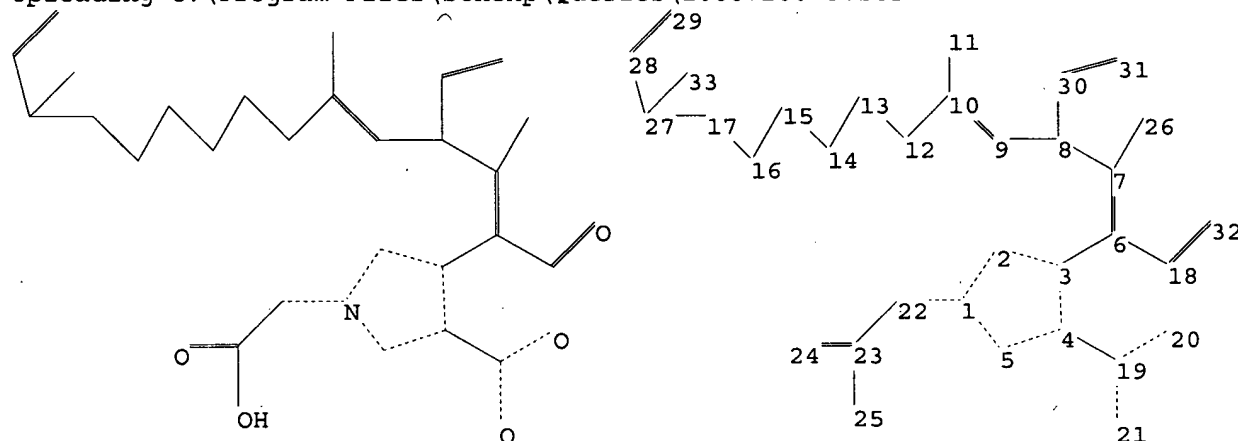
L3 1 S L1 FULL

L4 STRUCTURE UPLOADED

L5 0 S L4 FULL

=>

Uploading C:\Program Files\Stnexp\Queries\10667200-3.str



chain nodes :

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33

ring nodes :

1 2 3 4 5

chain bonds :

1-22 3-6 4-19 6-7 6-18 7-8 7-26 8-9 8-30 9-10 10-11 10-12 12-13 13-14
14-15 15-16 16-17 17-27 18-32 19-20 19-21 22-23 23-24 23-25 27-28 27-33
28-29 30-31

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 1-22 2-3 3-4 4-5 18-32 19-20 19-21

exact bonds :

3-6 4-19 6-7 6-18 7-8 7-26 8-9 8-30 9-10 10-11 10-12 12-13 13-14 14-15

15-16 16-17 17-27 22-23 27-28 27-33 28-29 30-31
normalized bonds :
23-24 23-25

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS
29:CLASS 30:CLASS
31:CLASS 32:CLASS 33:CLASS

L6 STRUCTURE UPLOADED

=> s 16 full

FULL SEARCH INITIATED 10:56:50 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L7 1 SEA SSS FUL L6

=>

=>

Executing the logoff script...

=> LOG H

FILE & COST CENTER	QUANTITY @	RATE	ESTIMATED COST U.S. DOLLARS
REGISTRY FILE COST=			
CONNECT HOURS	0.08 @	37.00	2.96
INTERNET HOURS	0.08 @	6.00	0.48
DISPLAYS IN FORMAT IDE	1 @	1.84	1.84
ONL FUL SSS/CSS SEARCH TERMS	3 @	84.60	253.80
ONL FUL SSS/CSS SEARCHES	3 @	76.30	228.90

SUMMARY BY FILE	AND	COST CENTER	HOURS	ESTIMATED COST U.S. DOLLARS
HOME FILE		(NONE)	0.01	0.21
REGISTRY FILE		(NONE)	0.08	487.98
COSTS INCLUDE TELECOMMUNICATION FEES			0.09	0.54

SUMMARY BY	COST CENTER	HOURS	ESTIMATED COST U.S. DOLLARS
	(NONE)	0.09	488.19
YOUR TOTAL SESSION COSTS ARE		0.09	488.19

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 10:57:11 ON 23 DEC 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

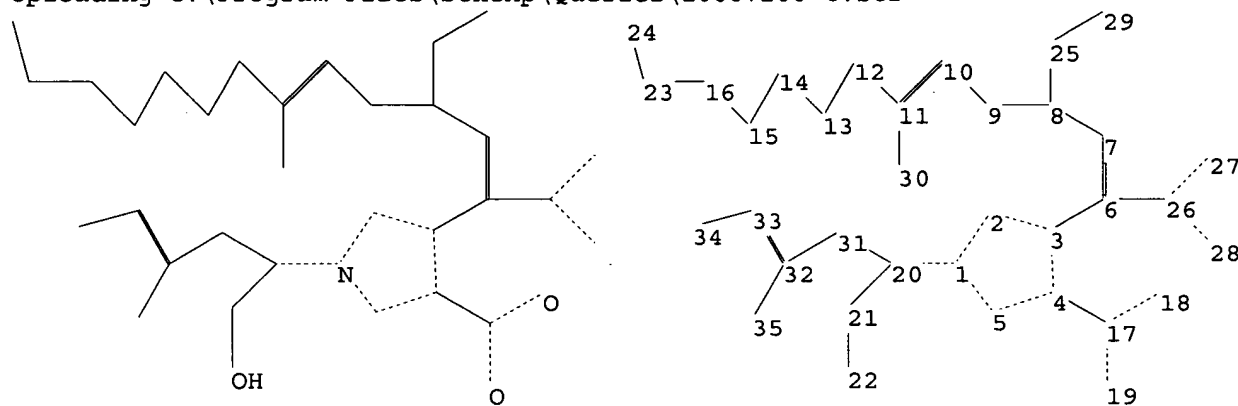
LOGINID:SSSPTASXS1654

PASSWORD:

***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'REGISTRY' AT 11:03:24 ON 23 DEC 2005
FILE 'REGISTRY' ENTERED AT 11:03:24 ON 23 DEC 2005
COPYRIGHT (C) 2005 American Chemical Society (ACS)

=>

Uploading C:\Program Files\Stnexp\Queries\10667200-4.str



chain nodes :

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35

ring nodes :

1 2 3 4 5

chain bonds :

1-20 3-6 4-17 6-7 6-26 7-8 8-9 8-25 9-10 10-11 11-12 11-30 12-13 13-14
14-15 15-16 16-23 17-18 17-19 20-21 20-31 21-22 23-24 25-29 26-27 26-28
31-32 32-33
32-35 33-34

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 1-20 2-3 3-4 4-5 17-18 17-19 21-22 26-27 26-28

exact bonds :

3-6 4-17 6-7 6-26 7-8 8-9 8-25 9-10 10-11 11-12 11-30 12-13 13-14 14-15
15-16 16-23 20-21 20-31 23-24 25-29 31-32 32-33 32-35 33-34

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS
29:CLASS 30:CLASS
31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS

L8 STRUCTURE UPLOADED

=> s full l8
FULL SEARCH INITIATED 11:04:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L9 0 SEA SSS FUL L8

=> d his

(FILE 'HOME' ENTERED AT 10:32:29 ON 23 DEC 2005)

FILE 'REGISTRY' ENTERED AT 10:32:45 ON 23 DEC 2005

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 1 S L1 FULL
L4 STRUCTURE UPLOADED
L5 0 S L4 FULL
L6 STRUCTURE UPLOADED
L7 1 S L6 FULL
L8 STRUCTURE UPLOADED
L9 0 S FULL L8

=> d ide l9

L9 HAS NO ANSWERS

'IDE ' IS NOT A VALID STRUCTURE FORMAT KEYWORD

Structure Formats

SIA ----- Structure Image, Attributes, and map table if it contains
data. (Default)

SIM ----- Structure IMAge.

SAT ----- Structure ATtributes and map table if it contains data.

SCT ----- Structure Connection Table and map table if it contains
data.

SDA ----- All Structure Data (image, attributes, connection table and
map table if it contains data).

NOS ----- NO Structure data.

ENTER STRUCTURE FORMAT (SIM), NOS:end

=> d ide l7

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 674787-44-1 REGISTRY

ED Entered STN: 13 Apr 2004

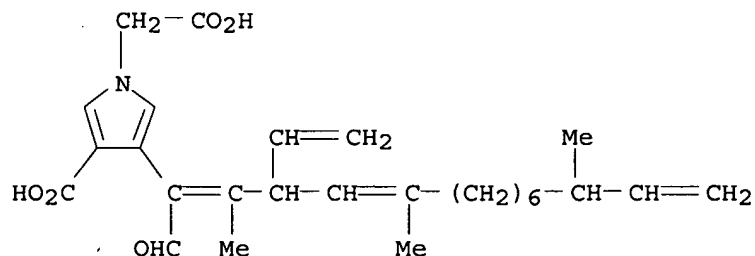
CN 1H-Pyrrole-1-acetic acid, 3-carboxy-4-(3-ethenyl-1-formyl-2,5,12-trimethyl-
1,4,13-tetradecatrienyl)- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C27 H37 N O5

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

FILE 'CAPLUS' ENTERED AT 11:05:18 ON 23 DEC 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 23 Dec 2005 VOL 144 ISS 1
FILE LAST UPDATED: 22 Dec 2005 (20051222/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3 l7

MISSING OPERATOR L3 L7

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l3

L10 1 L3

=> s l7

L11 1 L7

=> d ibib abs hitstr l11 l10

L10 IS NOT VALID HERE

For an explanation, enter "HELP DISPLAY".

=> d ibib abs hitstr l11

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:252188 CAPLUS

DOCUMENT NUMBER: 140:266747

TITLE: Identification and modulation of substrate specificity of secondary binding site of mammalian dipeptidyl peptidase IV (DP IV) and applications in drug screening and design

INVENTOR(S): Hoffmann, Torsten; Kuehn-Wache, Kerstin; Demuth, Hans-ulrich; Brandt, Wolfgang; Baer, Jochaim

PATENT ASSIGNEE(S): Germany

SOURCE: U.S. Pat. Appl. Publ., 51 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004058876	A1	20040325	US 2002-246817	20020918
WO 2004031374	A2	20040415	WO 2003-EP10408	20030918
WO 2004031374	A3	20040812		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1543023	A2	20050622	EP 2003-788909	20030918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.:			US 2002-246817	A 20020918
			US 2003-443417P	P 20030129
			WO 2003-EP10408	W 20030918

AB The present application relates to the secondary binding site of mammalian dipeptidyl peptidase IV, its relationship amongst substrates and to the modulation of substrate specificity of dipeptidyl peptidase IV (DP IV, synonym: DPP IV, CD26, EC 3.4.14.5). The application provides compds. that bind to the secondary binding site of DP IV and their use to modulate the substrate specificity of DP IV; methods of treatment of various DP IV mediated disorders; and screening methods for the identification of secondary binding sites on DP IV and DP IV-like enzymes.

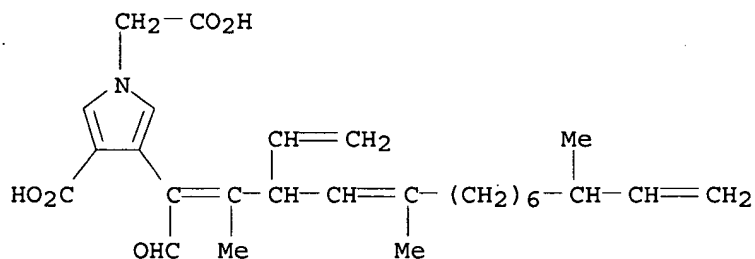
IT 674787-44-1

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(identification and modulation of substrate specificity of secondary binding site of mammalian dipeptidyl peptidase IV (DP IV) and applications in drug screening and design)

RN 674787-44-1 CAPLUS

CN 1H-Pyrrole-1-acetic acid, 3-carboxy-4-(3-ethenyl-1-formyl-2,5,12-trimethyl-1,4,13-tetradecatrienyl)- (9CI) (CA INDEX NAME)



=> d ibib abs hitstr l110

L110 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> d ibib abs hitstr l10

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:252188 CAPLUS

DOCUMENT NUMBER: 140:266747

TITLE: Identification and modulation of substrate specificity of secondary binding site of mammalian dipeptidyl peptidase IV (DP IV) and applications in drug screening and design

INVENTOR(S): Hoffmann, Torsten; Kuehn-Wache, Kerstin; Demuth, Hans-ulrich; Brandt, Wolfgang; Baer, Jochaim

PATENT ASSIGNEE(S): Germany

SOURCE: U.S. Pat. Appl. Publ., 51 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004058876	A1	20040325	US 2002-246817	20020918
WO 2004031374	A2	20040415	WO 2003-EP10408	20030918
WO 2004031374	A3	20040812		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1543023 A2 20050622 EP 2003-788909 20030918

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

PRIORITY APPLN. INFO.:
US 2002-246817 A 20020918
US 2003-443417P P 20030129
WO 2003-EP10408 W 20030918

AB The present application relates to the secondary binding site of mammalian dipeptidyl peptidase IV, its relationship amongst substrates and to the modulation of substrate specificity of dipeptidyl peptidase IV (DP IV, synonym: DPP IV, CD26, EC 3.4.14.5). The application provides compds. that bind to the secondary binding site of DP IV and their use to modulate the substrate specificity of DP IV; methods of treatment of various DP IV mediated disorders; and screening methods for the identification of secondary binding sites on DP IV and DP IV-like enzymes.

IT 674787-41-8

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(identification and modulation of substrate specificity of secondary binding site of mammalian dipeptidyl peptidase IV (DP IV) and applications in drug screening and design)

RN 674787-41-8 CAPLUS

CN 1H-Pyrrole-3-carboxylic acid, 4-[5-methyl-1-[2-[[[(methylamino)oxoacetyl]amino]ethyl]-3-(1-methylethyl)-1,4-undecadienyl]-1-(4-pentenyl)]- (9CI) (CA INDEX NAME)

